

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
RLL-283US

In Re Application Of: **MEHTA et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/540,062	23 December 2002	TBA	026815	TBA	

Title:  
**FLAVAXATE DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0912 as described below.
- ☐ Charge the amount of \_\_\_\_\_
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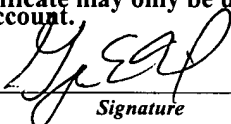
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Dated: January 31, 2006

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<b>INFORMATION DISCLOSURE CITATION</b>	Docket No.: RLL-283US	Serial No.: 10/540,062
	Applicants: M. TA <i>et al.</i>	
	Filed: 6/22/2005	Group:

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,176,019	3/30/1965	Campbell <i>et al.</i>	260	293.4	
	A2	5,281,601	1/25/1994	Cross <i>et al.</i>	514	320	
	A3	5,948,792	9/7/1999	Tsuchiya <i>et al.</i>	514	317	
	A4	6,130,232	10/10/2000	Mase <i>et al.</i>	514	318	
	A5	6,174,900	1/16/2001	Okada <i>et al.</i>	514	317	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
	B1	EP 0 072 620	2/23/1983	EPO	C07D	405/12	
	B2	EP 0 108 986	5/23/1984	EPO	C07D	311/30	
	B3	EP 0 267 319	5/18/1988	EPO	C07C	153/11	
	B4	EP 0 325 571	7/26/1989	EPO	C07C	215/54	
	B5	EP 0 388 054	9/19/1990	EPO	C07D	207/08	
	B6	EP 0 801 067	10/15/1997	EPO	C07D	453/02	
	B7	GB 940,540	10/30/1963	UK	C07C		
	B8	JP 135958/1994	5/17/1994	Japan	C07D	333/16	
	B9	JP 92921/1994	4/5/1994	Japan	C07C	237/20	
	B10	WO 91/09013	6/27/1991	PCT	C07D	207/08	
	B11	WO 93/16018	8/19/1993	PCT	C05F	17/02	
	B12	WO 93/16048	8/19/1993	PCT	C07D	211/26	Equivalent CA 2155320
	B13	WO 96/33973	10/31/1996	PCT	C07D	211/46	Equivalent US 5,750,540
	B14	WO 97/45414	12/4/1997	PCT	C07D	211/58	Abstract
	B15	WO 98/05641	2/12/1998	PCT	C07D	211/46	Equivalent US 5,948,792
	B16	WO 98/29402	7/9/1998	PCT	C07D	311/20	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>INFORMATION DISCLOSURE CITATION</b>	Docket No.: RLL-283US	Serial No.: 10/540,062
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	Filed: 6/22/2005	Group:

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Kubo et al., "Cloning, sequencing and expression of complementary DNA encoding the muscarinic acetylcholine receptor", <i>Nature</i> , <u>323</u> (2):411-416 (1986)
C2	Bonner et al., "Identification of a Family of Muscarinic Acetylcholine Receptor Genes", <i>Science</i> , <u>237</u> :527-531 (1987)
C3	Eglen et al., "Muscarinic receptor ligands and their therapeutic potential", <i>Current Opinion in Chemical Biology</i> , <u>3</u> :426-432 (1999)
C4	Eglen et al., "Therapeutic opportunities from muscarinic receptor research", <i>Trends in Pharmacological Sciences</i> , <u>22</u> (8):409-414 (2001)
C5	Felder et al., "Therapeutic Opportunities for Muscarinic Receptors in the Central Nervous System", <i>Journal of Medicinal Chemistry</i> , <u>43</u> (23):4333-4353 (2000)
C6	Broadley and Kelly, "Muscarinic Receptor Agonists and Antagonists", <i>Molecules</i> , <u>6</u> :142-193 (2001)
C7	Birdsall et al., "Muscarinic receptors: it's a knockout", <i>Trends in Pharmacological Sciences</i> , <u>22</u> (5):215-219 (2001)
C8	de Groat and Yoshimura, "Pharmacology of the Lower Urinary Tract", <i>Annual Review of Pharmacology and Toxicology</i> , <u>41</u> :691-721 (2001)
C9	Steers, "The future direction of neuro-urology drug research", <i>Current Opinion in CPNS Investigational Drugs</i> , <u>2</u> (3):268-282
C10	Chapple, "Muscarinic receptor antagonists in the treatment of overactive bladder", <i>Urology</i> , <u>55</u> (Suppl. 5A):33-46 (2000)
C11	Steers, Barrot, Wein, "Voiding dysfunction: diagnosis classification and management", In: <i>Adult and Pediatric Urology</i> , ed. Gillenwater, Grayhack, Howards, Duckett. Mosby, St. Louis, MO; 1220-1325, 3rd edition (1996)
C12	Sagara et al., "Cyclohexylmethylpiperidinyltriphenylpropioamide: A Selective Muscarinic M <sub>3</sub> Antagonist Discriminating against the Other Receptor Subtypes", <i>Journal of Medicinal Chemistry</i> , <u>45</u> :984-987 (2002)
C13	Braish et al., "Construction of the (1 $\alpha$ ,5 $\alpha$ ,6 $\alpha$ )-6-Amino-3-azabicyclo[3.1.0]hexane Ring System", <i>Synlett</i> , 1100-1102 (1996)
C14	Moriya et al., "Affinity Profiles of Various Muscarinic Antagonists for Cloned Human Muscarinic Acetylcholine Receptor (mAChR) Subtypes and mAChRs in Rat Heart and Submandibular Gland", <i>Life Sciences</i> , <u>64</u> (25):2351-2358 (1999)
C15	Cheng and Prusoff, "Relationship between the inhibition constant ( $K_1$ ) and the concentration of inhibitor which causes 50 per cent inhibition ( $I_{50}$ ) of an enzymatic reaction", <i>Biochemical Pharmacology</i> , <u>22</u> :3099-3108 (1973)

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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	